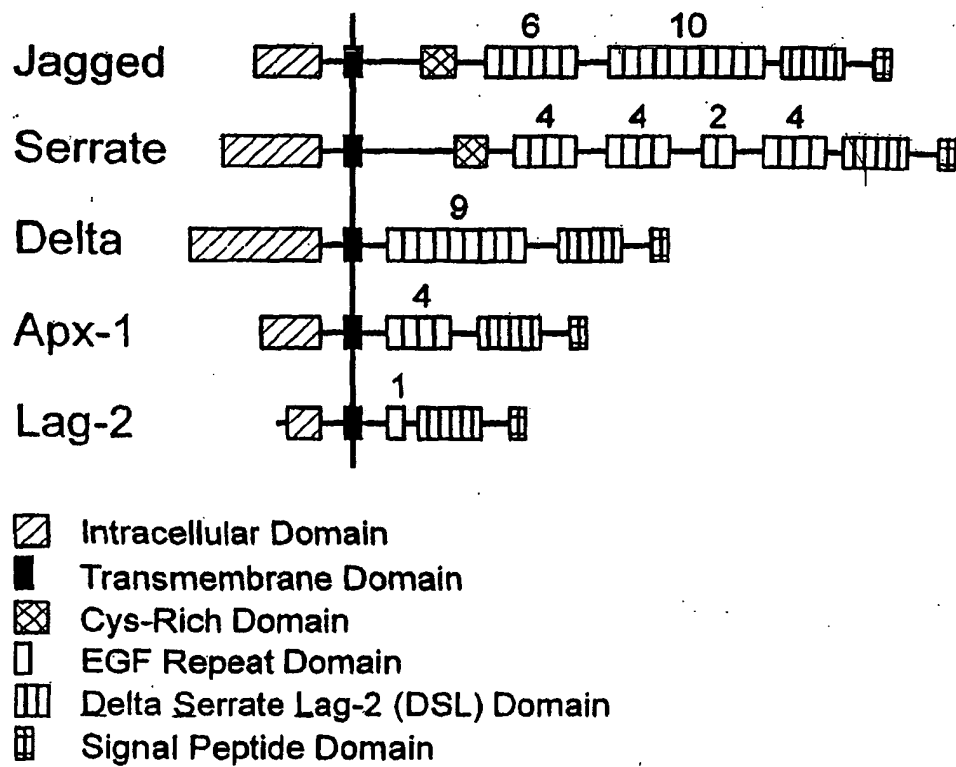


FIG. 1

## Domain Structure of the Notch Ligand Family



**FIG. 2**

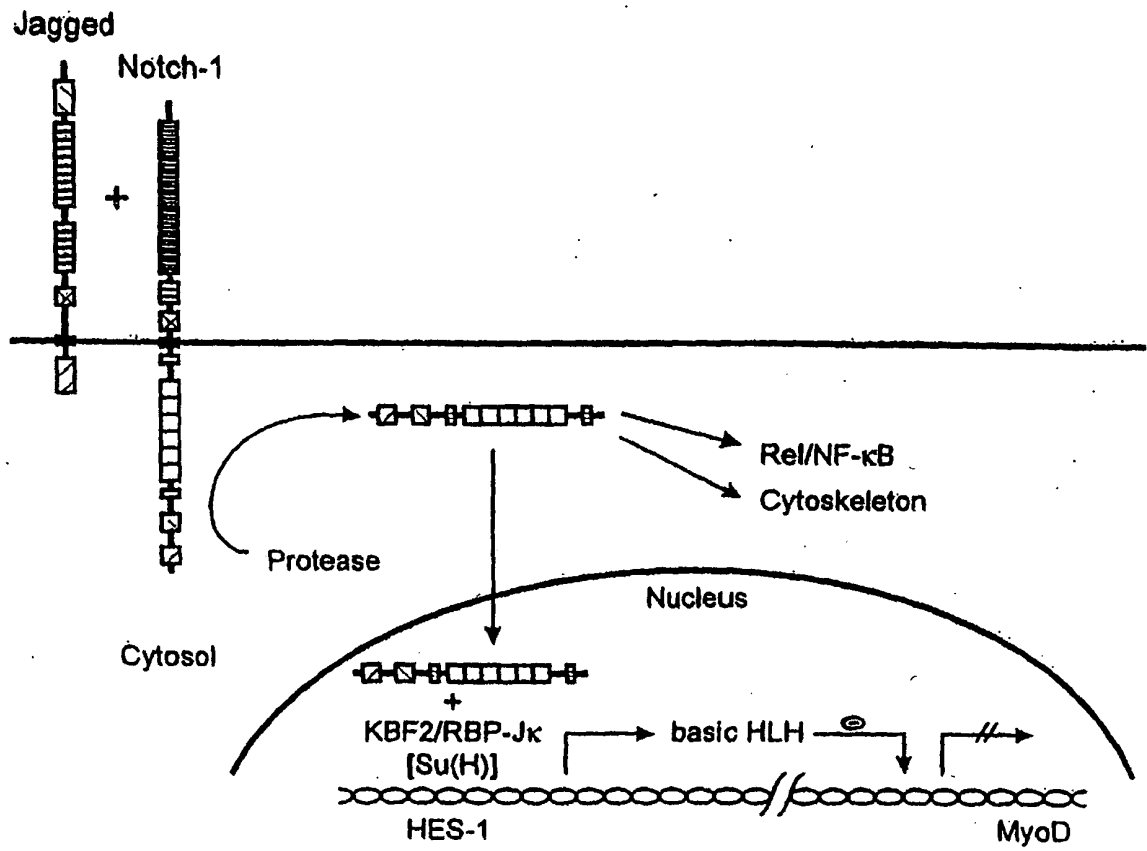


FIG. 3

## Domain Structure of the Notch Receptor Family

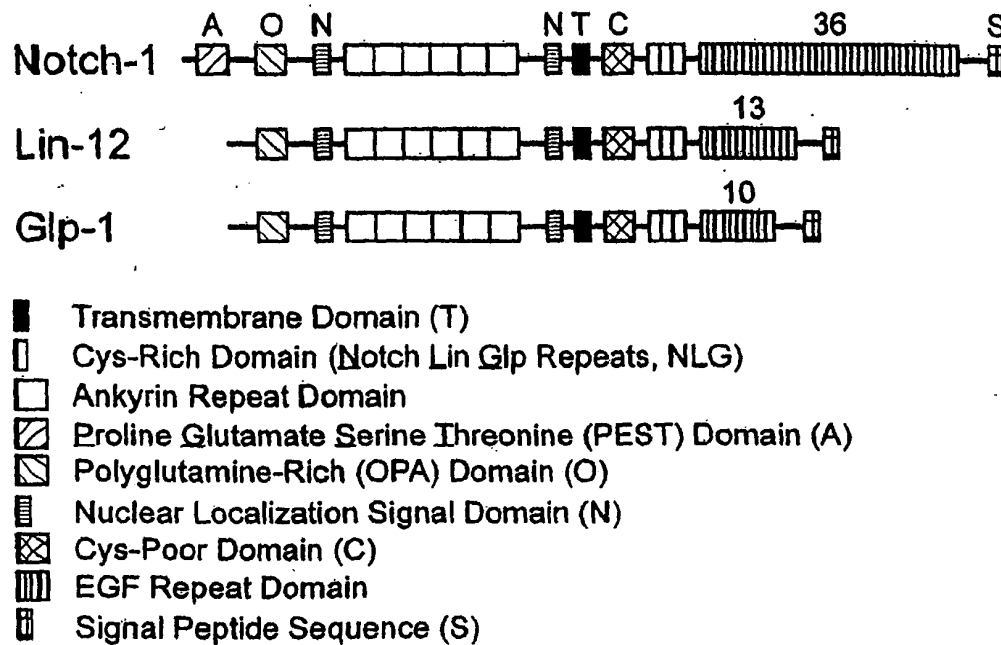


FIG.4

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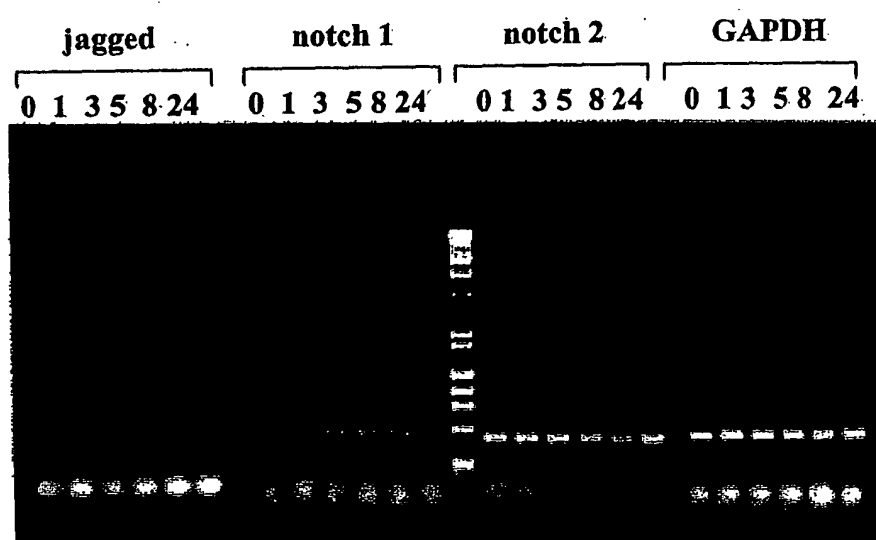


FIG. 5

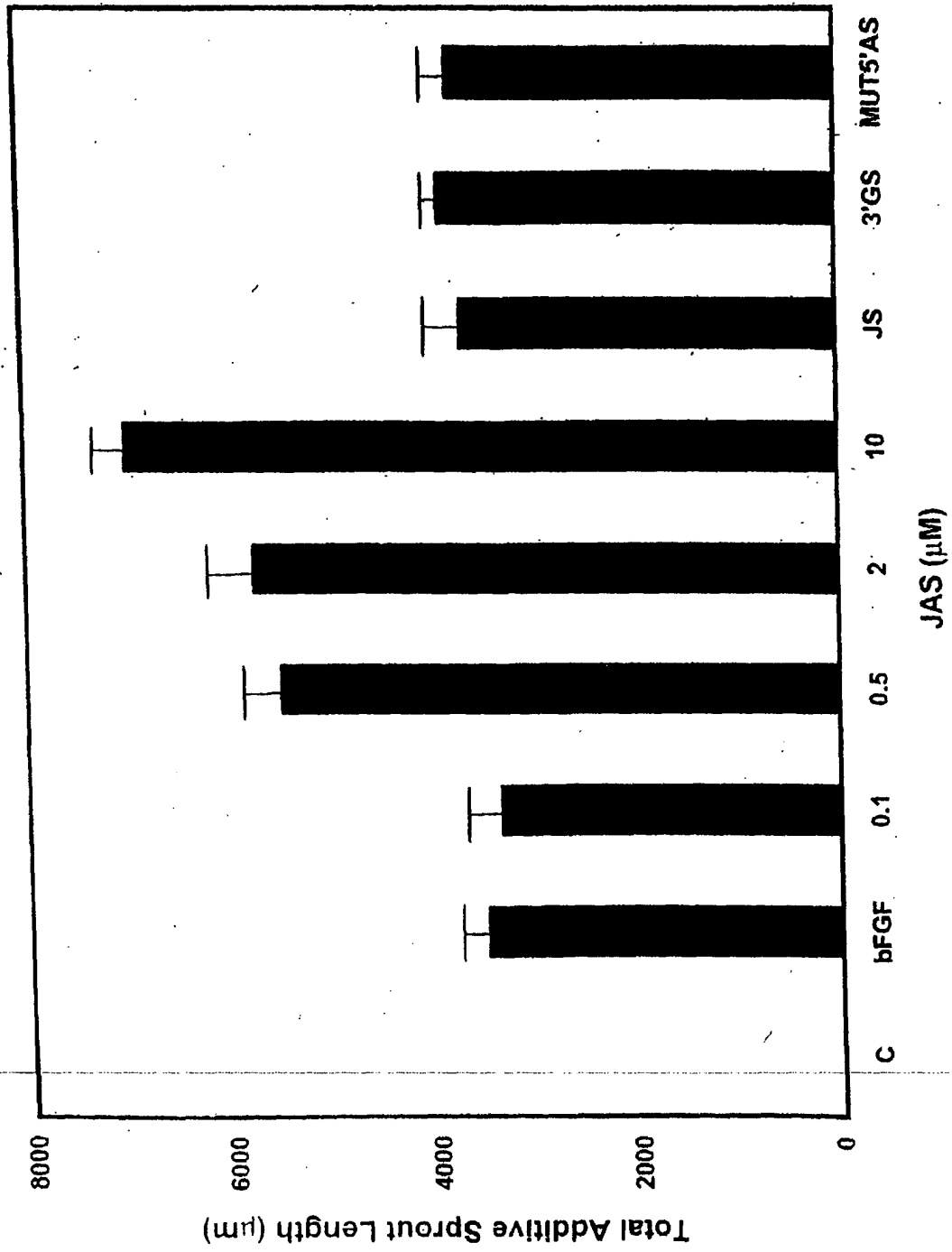


FIG. 6

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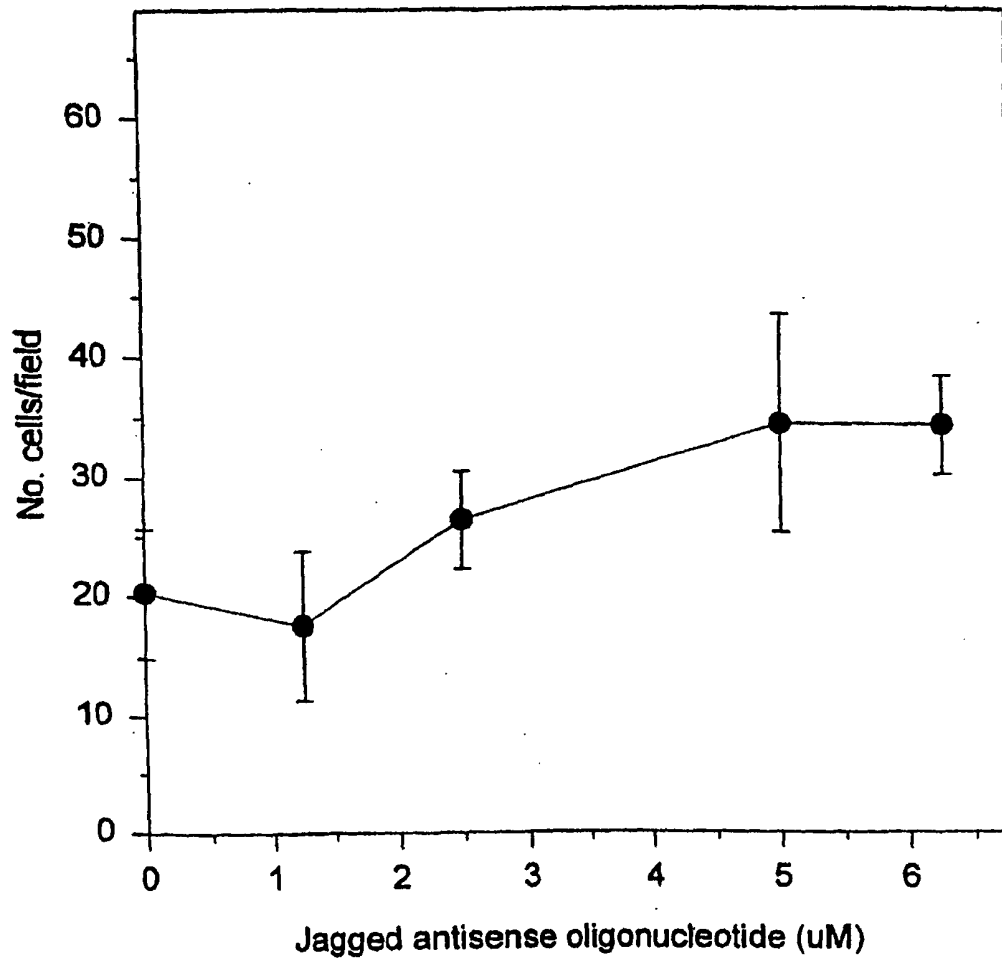


FIG. 7A

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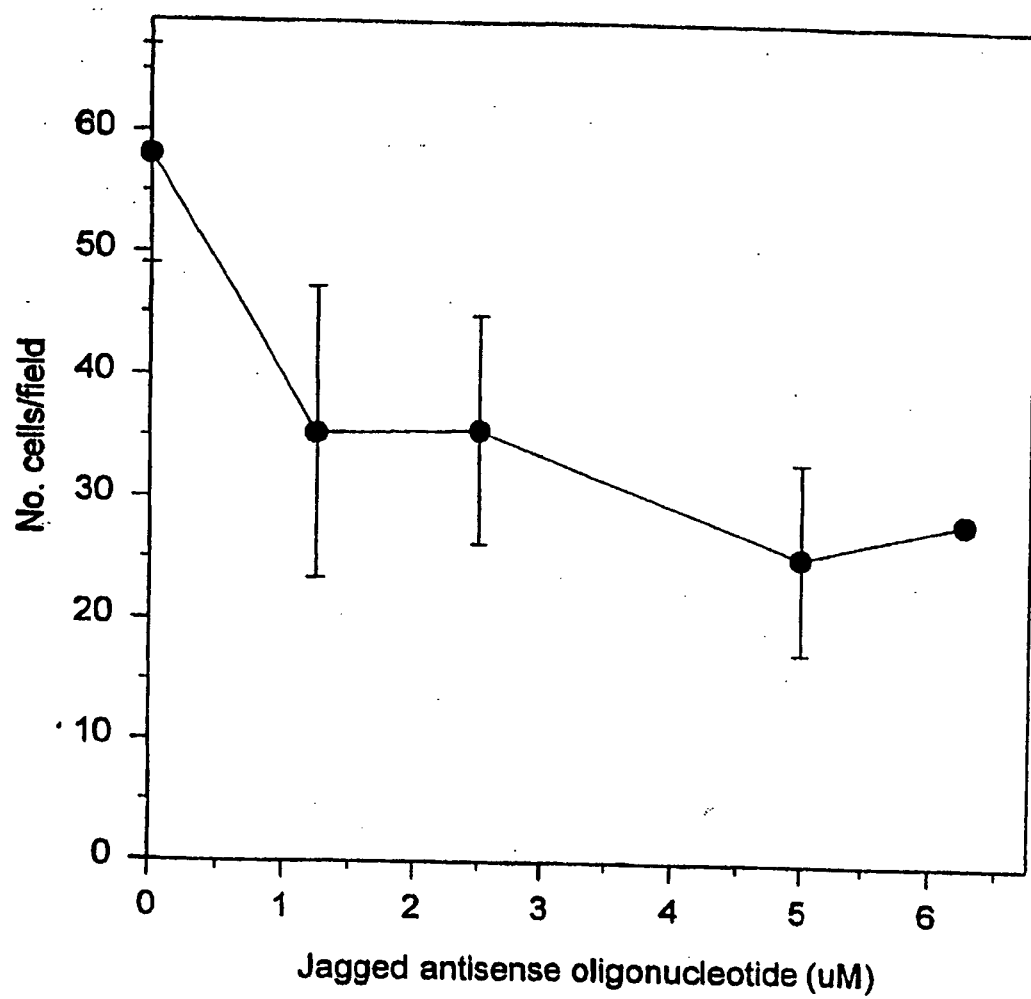


FIG. 7B



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1	MRSPTTRGRS	GRPLSLLLAL	LCALRAKVC	ASGQFELEIL	SMQNVNGELQ
51	NGNCCGGARN	PGDRKCTRDE	CDTYFKVCLK	EYQSRVTAGG	PCSFGSGSTP
101	VIGGNTFNLK	ASRGNDRNRI	VLPFSAWPR	SYTLLVEAWD	SSNDTVQPD
151	IIEKASHSGM	INPSRQWQTL	KQNTGVAHFE	YQIRVTCDDY	YYGFGCNKFC
201	RPRDDFFGHY	ACDQNGNKTC	MEGWMGPECN	RAICRQGCSP	KHGSCKLP
251	CRCQYGWQGL	YCDKCI PHPG	CVHGICNEPW	QCLCETNWGG	QLCDKDLNYC
301	GTHQPCLNGG	TCSNTGPDKY	QCSCPEGYSG	PNCEIAEHAC	LSDPCHNRGS
351	CKETSLGFEC	ECSPGWTGPT	CSTNIDDCSP	NNCSHGGTCQ	DLVNGFKVC
401	PPQWTGKTCQ	LDANECEAKP	CVNAKŠCKNL	IASYYCDCLP	GWMGQNC
451	INDCLGQCQN	DASCRDLVNG	YRCICPPGYA	GDHCERDIDE	CASNPCLN
501	HCQNEINRFQ	CLCPTGFSGN	LCQLDIDYCE	PNPCQNGAQC	YNRASDYFCK
551	CPEDYEGKNC	SHLKDHCR	PCEVIDSCTV	AMASNDTPEG	VRYISSNVCG
601	PHGKCKŠQSG	GKFTCDCNKG	FTGTYCHENI	NDCESNPCRN	GGTCIDGVNS
651	YKCICSDGWE	GAYCETNIND	CSQNPCHNGG	TCRDLVND	CDCKNGWK
701	TCHSRDSQCD	EATCNNGGTC	YDEGDAFKCM	CPGGWEGTTC	NIARNSSCLP
751	NPCHNGGTCV	VNGESFTCVC	KEGWEGPICA	QNTNDCSPHP	CYNSGTCVDG
801	DNWYRCECAP	GFAGPDCRIN	INECQSSPCA	FGATCVDEIN	GYRCVCPPGH
851	SGAKCQEVSG	RPCITMGSVI	PDGAKWDDDC	NTCQCLNGRI	ACSKVWC
901	PCLLHKGHSE	CPSGQSCIPI	LDDQCFVHPC	TGVGECRSSS	LQPVKTKCTS
951	DSYYQDNCAN	ITFTFNKEMM	SPGLTTEHIC	SELRNLNILK	NVSAEYSIYI
1001	ACEPSPSANN	EIHVAISAED	IRDDGNPIKE	ITDKIIDLVS	KRDGNSSLIA
1051	AVAEVRVQRR	PLKNRTDFLV	PLLSSVLTVA	WICCLVTAFY	WCLRKRKPG
1101	SHTHSASEDN	TTNNVREQLN	QIKNPIEKHG	ANTVPIKDYE	NKNSKMSKIR
1151	THNSEVEEDD	MDKHQQKARF	GKQPAYTLVD	REEKPPNGTP	TKHPNWTNKQ
1201	DNRDLESAQS	LNRMEYIV			

FIG. 8A

```

1   ATGCGTTCCC CACGGACRCG CGGCCGGTCC GGGCGCCCC TAAGCCTCCT
51  GCTCGCCCTG CTCTGTGCCC TCGAGCCAA GGTGTGTGGG GCCTCGGGTC
101 AGTTCGAGTT GGAGATCCTG TCCATGCAGA ACGTGAACGG GGAGCTGCAG
151 AACGGGAAC TGTGACACAT ACTTCAAAGT GTGCCTCAAG GAGTATCAGT
201 CCGCGACGAG TGTGACACAT ACTTCAAAGT GTGCCTCAAG GAGTATCAGT
251 CCCGCGTCAC GGCCGGGGGG CCCTGCAGCT TCGGCTCAGG GTCCACGCCT
301 GTCATCGGGG GCAACACCTT CAACCTCAAG GCCAGCCGCG GCAACGACCG
351 CAACCGCATC GTGCTGCCTT TCAGTTTCGC CTGGCCGAGG TCCTATACGT
401 TGCTTGTGGA GGCCTGGGAT TCCAGTAATG ACACCGTTCA ACCTGACAGT
451 ATTATTGAAA AGGCTTCTCA CTCGGGCATG ATCAACCCCA GCCGGCAGTG
501 GCAGACGCTG AAGCAGAACA CGGGCGTTGC CCACTTTGAG TATCAGATCC
551 GCGTGACCTG TGATGACTAC TACTATGGCT TTGGCTGYAA TAAGTTCTGC
601 CGCCCCAGAG ATGACTTCTT TGGACACTAT GCCTGTGACC AGAATGGCAA
651 CAAAACCTTG ATGGAAGGCT GGATGGGCCC CGAATGTAAC AGAGCTATTT
701 GCCGACAAGG CTGCAGTCCT AAGCATGGGT CTTGCAAACCT CCCAGGTGAC
751 TGCAGGTGCC AGTAYGGCTG GCAAGGCCCTG TACTGTGATA AGTGCATCCC
801 ACACCCGGGA TGCCTCCACG GCATCTGTAA TGAGCCCTGG CAGTGCCTCT
851 GTGAGACCAA CTGGGGCGGC CAGCTCTGTG ACAAAGATCT CAATTACTGT
901 GGGACTCATC AGCCGTGTCT CAACGGGGGA ACTTGTAACA ACACAGGCCC
951 TGACAAATAT CAGTGTTCTT GCCCTGAGGG GTATTGAGGA CCCAACTGTG
1001 AAATTGCTGA GCACGCCTGC CTCTCTGATC CCTGTCAACA CAGAGGCAGC
1051 TGTAAGGAGA CCTCCCTGGG CTTTGAGTGT GAGTGTTCCT CAGGCTGGAC
1101 CGGCCCCACA TGCTCTACAA ACATTGATGA CTGTTCTCCT AATAACTGTT
1151 CCCACGGGGG CACCTGCCAG GACCTGGTTA ACGGATTTAA GTGTGTGTGC
1201 CCCCCACAGT GGAAGTGGAA AACGTGCCAG TTAGATGCAA ATGAATGTGA
1251 GGCCAAACCT TGTGTAAACG CCAAATCCTG TAAGAATCTC ATTGCCAGCT
1301 ACTACTGCGA CTGTCTTCCC GGCTGGATGG GTCAGAATTG TGACATAAAT
1351 ATTAATGACT GCCTTGGCCA GTGTGAGAAT GACGCCTCCT GTCGGGATTT
1401 GGTAAATGGT TATCGCTGTA TCTGTCCACC TGGCTATGCA GCGCATCACT
1451 GTGAGAGAGA CATCGATGAA TGTGCCAGCA ACCCCTGTTT GAATGGGGGT
1501 CACTGTCAGA ATGAAATCAA CAGATTCCAG TGTCTGTGTC CCACTGGTTT
1551 CTCTGGAAAC CTCTGTGAGC TGGACATCGA TTATTGTGAG CCTAATCCCT
1601 GCCAGAACGG TGCCCAAGTG TACAACCGTG CCAGTGACTA TTTCTGCAAG
1651 TGCCCCGAGG ACTATGAGGG CAAGAAGTGC TCACACCTGA AAGACCACTG
1701 CCGCACGACC CCCTGTGAAG TGATTGACAG CTGCACAGTG GCCATGGCTT
1751 CCAACGACAC ACCTGAAGGG GTGCGGTATA TTTCTCCAA CGTCTGTGGT
1801 CCTCACGGGA AGTGCAAGAG TCAGTCGGGA GGCAAATTCA CCTGTGACTG
1851 TAACAAAGGC TTCACGGGAA CATACTGCCA TGAAAATATT AATGACTGTG
1901 AGAGCAACCC TTGTAGAAAC GGTGGCACTT GCATCGATGG TGTCAACTCC
1951 TACAAGTGCA TCTGTAGTGA CGGCTGGGAG GGGGCCTACT GTGAAACCAA
2001 TATTAATGAC TGCAGCCAGA ACCCTGCCA CAATGGGGGC ACGTGTGCGC

```

FIG. 8B

```

2051 ACCTGGTCAA TGACTTCTAC TGTGACTGTA AAAATGGGTG GAAAGGAAAG
2101 ACCTGCCACT CACGTGACAG TCAGTGTGAT GAGGCCACGT GCAACAACGG
2151 TGGCACCTGC TATGATGAGG GGGATGCTTT TAAGTGCATG TGTCTTGGCG
2201 GCTGGGAAGG AACAACTGT AACATAGCCC GAAACAGTAG CTGCCTGCCC
2251 AACCCCTGCC ATAATGGGGG CACATGTGTG GTCAACGGCG AGTCCTTTAC
2301 GTGCGTCTGC AAGGAAGGCT GGGAGGGGCC CATCTGTGCT CAGAATACCA
2351 ATGACTGCAG CCCTCATCCC TGTTACAACA GCGGCACCTG TGTGGATGGA
2401 GACAACTGGT ACCGGTGCGA ATGTGCCCCG GGTTTTGCTG GGCCCGACTG
2451 CAGAATAAAC ATCAATGAAT GCCAGTCTTC ACCTTGTGCC TTTGGAGCGA
2501 CCTGTGTGGA TGAGATCAAT GGCTACCGGT GTGTCTGCCC TCCAGGGCAC
2551 AGTGGTGCCA AGTGCCAGGA AGTTTCAGGG AGACCTTGCA TCACCATGGG
2601 GAGTGTGATA CCAGATGGGG CCAAATGGGA TGATGACTGT AATACCTGCC
2651 AGTGCTGAA TGGACGGATC GCCTGCTCAA AGGTCTGGTG TGGCCCTCGA
2701 CCTTGCCCTGC TCCACAAAGG GCACAGCGAG TGCCCCAGCG GGCAGAGCTG
2751 CATCCCCATC CTGGACGACC AGTGCTTCGT CCACCCCTGC ACTGGTGTGG
2801 GCGAGTGTCTG GTCTTCCAGT CTCCAGCCGG TGAAGACAAA GTGCACCTCT
2851 GACTCCTATT ACCAGGATAA CTGTGCGAAC ATCACATTTA CCTTTAACAA
2901 GGAGATGATG TCACCAGGTC TTACTACGGA GCACATTTGC AGTGAATTGA
2951 GGAATTTGAA TATTTTGAAG AATGTTTCCG CTGAATATTC AATCTACATC
3001 GCTTGCGAGC CTTCCCCTTC AGCGAACAAT GAAATACATG TGGCCATTTC
3051 TGCTGAAGAT ATACGGGATG ATGGGAACCC GATCAAGGAA ATCACTGACA
3101 AAATAATCGA TCTTGTTAGT AAACGTGATG GAAACAGCTC GCTGATTGCT
3151 GCCGTTGCAG AAGTAAGAGT TCAGAGGCGG CCTCTGAAGA ACAGAACAGA
3201 TTTCTTGTGTT CCCTTGCTGA GCTCTGTCTT AACTGTGGCT TGGATCTGTT
3251 GCTTGGTGAC GGCCTTCTAC TGGTGCCCTG GGAAGCGGCG GAAGCCGGGC
3301 AGCCACACAC ACTCAGCCTC TGAGGACAAC ACCACCAACA ACGTGCGGGA
3351 GCAGCTGAAC CAGATCAAAA ACCCCATTGA GAAACATGGG GCCAACACGG
3401 TCCCCATCAA GGATTACGAG AACAAGAACT CCAAATGTC TAAAATAAGG
3451 ACACACAATT CTGAAGTAGA AGAGGACGAC ATGGACAAAC ACCAGCAGAA
3501 AGCCCGGTTT GGCAAGCAGC CGGCGTATAC GCTGGTAGAC AGAGAAGAGA
3551 AGCCCCCAA CGGCACGCCG ACAAACACC CAACTGGAC AAACAAACAG
3601 GACAACAGAG ACTTGGAAG TGCCAGAGC TTAAACCGAA TGGAGTACAT
3651 CGTATAG

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FIG. 8C

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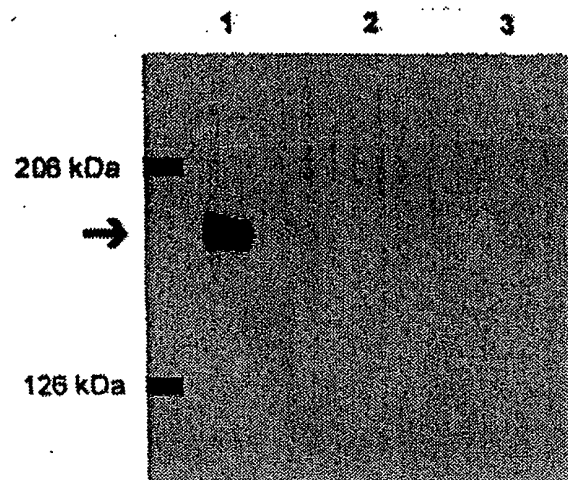


FIG. 9

FIG. 10C

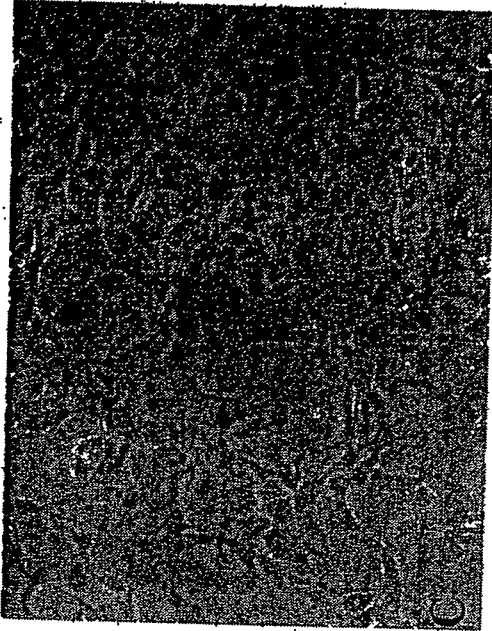


FIG. 10D

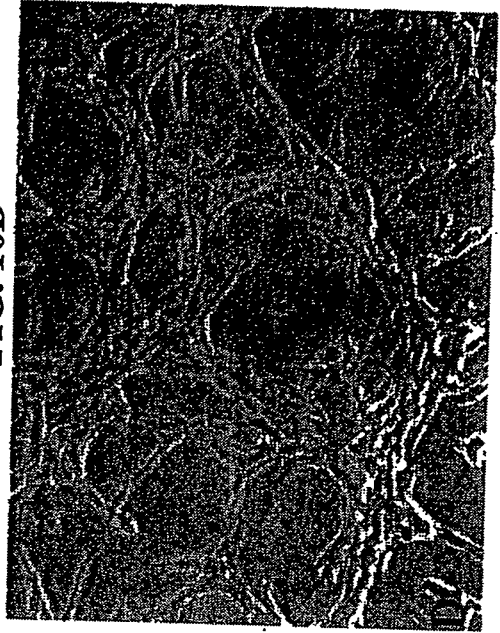


FIG. 10A

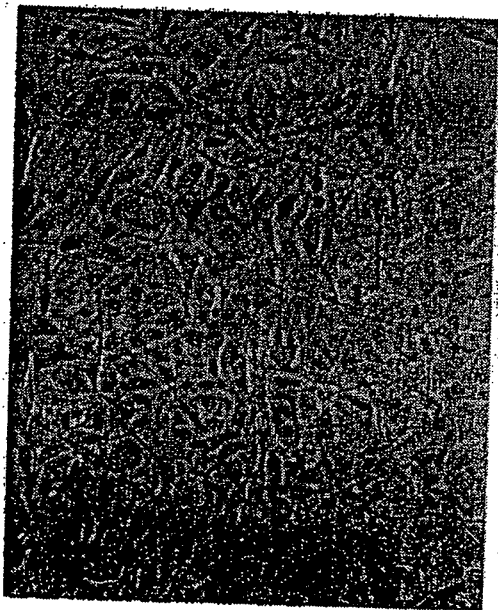
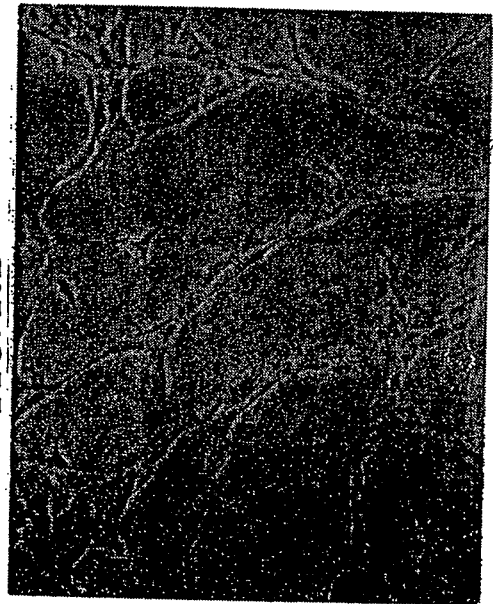


FIG. 10B



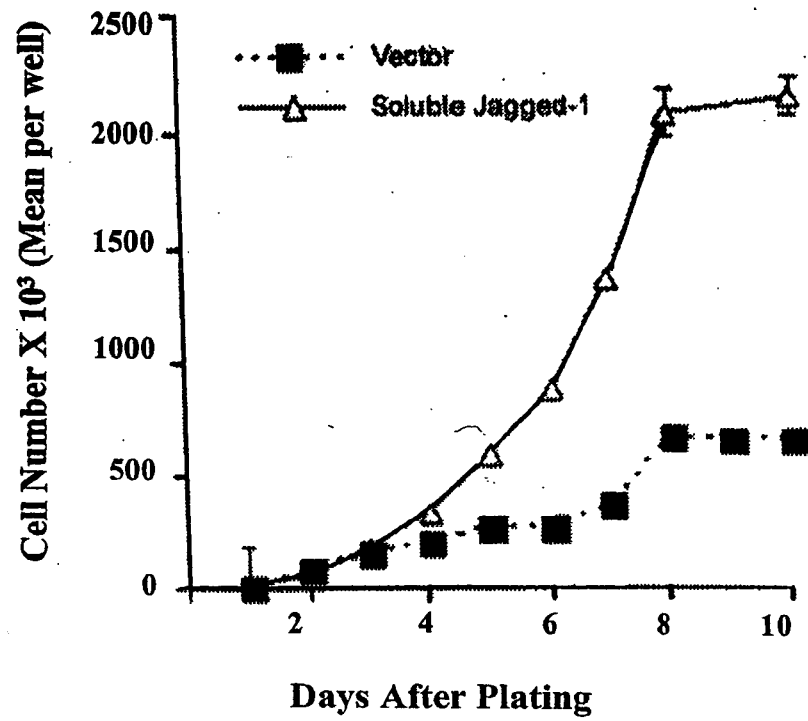
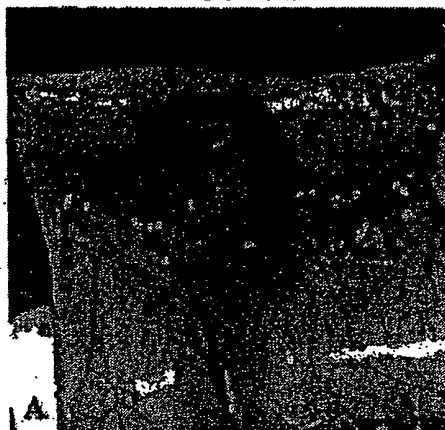


FIG. 11

**FIG. 12A**



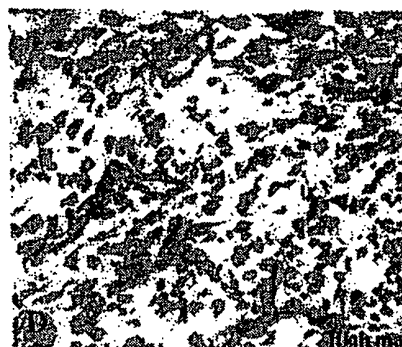
**FIG. 12B**



**FIG. 12C**



**FIG. 12D**



1	MRSRTRGRS	RPLSLLLALL	CALRAKVCGA	SGQFELEILS	MQNVNGELQN
51	GNCCGGARNP	GDRKCTRDEC	DTYFKVCLKE	YQSRVTAGGP	CSFGSGSTPV
101	IGGNTFNLKA	SRGNDNRNIV	LPFSFAWPRS	YTLLVEAWDS	SNDTVQPD SI
151	IEKASHSGMI	NPSRQWQTLK	QNTGVAHFY	QIRVTCDDYY	YGFGCNKF CR
201	PRDDFFGHYA	CDQNGNKTCM	EGWMGPECNR	AICRQGCSPK	HGSKCLPGDC
251	RCQYGWQGLY	CDKCI PHPGC	VHGICNEPWQ	CLCETNWGGQ	LCDKDLNYCG
301	THQPCLNGGT	CSNTGPDKYQ	CSCPEGYSGP	NCEIAEHACL	SDPCHNRGSC
351	KETSLGFEC	CSPGWTGPTC	STNIDDCSPN	NCSHGGTCQD	LVNGFKCVCP
401	PQWTGKTCQL	DANECEAKPC	VNAKSKNLI	ASYCDCLPG	WMGQNC DINI
451	NDCLGQCQND	ASCRDLVNGY	RCICPPGYAG	DHCERDIDEC	ASNPCLNGGH
501	CQNEINRFQC	LCPTGFSGNL	CQLDIDYCEP	NPCQNGAQCY	NRADYFCKC
551	PEDYEGKNCS	HLKDHCRTP	CEVIDSCTVA	MASNDTPEGV	RYISSNVC GP
601	HGKCKSQSGG	KFTCDCNKG	TGTYPHENIN	DCESNPCRNG	GTCIDGVNSY
651	CICSDGWEGA	YCETNINDCS	QNPCHNGGTC	RDLVNDFYCD	CKNGWKGKTC
701	HSRDSQCDEA	TCNNGGTCYD	EGDAFKCMCP	GGWEGTTCNI	ARNSSCLPNP
751	CHNGGTCVVN	GESFTCVCKE	GWEGPICAQN	TNDCSPHPCY	NSGTCVDGDN
801	WYRCECAPGF	AGPDCRININ	ECQSSPCAFG	ATCVDEINGY	RCVCP PGHSG
851	AKCQEVSGRP	CITMGSVIPD	GAKWDDDCNT	CQCLNGRIAC	SKVWC GPRPC
901	LLHKGHSECP	SGQSCIPILD	DQCFVHPCTG	VGECRSSSLQ	PVKTKCTSDS
951	YYQDNCANIT	FTFNKEMMSP	GLTTEHICSE	LRNLNILKNV	SAEYSIYIAC
1001	EPSPSANNEI	HVAISAEDIR	DDGNPIKEIT	DKIIDLVSKR	DGNSSLIAAV
1051	AEVRVQRRPL	KNRTD			

FIG. 13A



```

1   ATGCGTTCCC CACGGACRCG CGGCCGGTCC GGGCGCCCCC TAAGCCTCCT
51  GCTCGCCCTG CTCTGTGCCC TGCGAGCCAA GGTGTGTGGG GCCTCGGGTC
101 AGTTCGAGTT GGAGATCCTG TCCATGCAGA ACGTGAACGG GGAGCTGCAG
151 AACGGGAACT GCTGCGGCGG CGCCCGGAAC CCGGGAGACC GCAAGTGCAC
201 CCGCGACGAG TGTGACACAT ACTTCAAAGT GTGCCTCAAG GAGTATCAGT
251 CCCGCGTCAC GGCCGGGGGG CCCTGCAGCT TCGGCTCAGG GTCCACGCCT
301 GTCATCGGGG GCAACACCTT CAACCTCAAG GCCAGCCGCG GCAACGACCG
351 CAACCGCATC GTGCTGCCTT TCAGTTTCGC CTGGCCGAGG TCCTATACGT
401 TGCTTGTGGA GGCCTGGGAT TCCAGTAATG ACACCGTTCA ACCTGACAGT
451 ATTATTGAAA AGGCTTCTCA CTCGGGCATG ATCAACCCCA GCCGGCAGTG
501 GCAGACGCTG AAGCAGAACA CGGGCGTTGC CCACTTTGAG TATCAGATCC
551 GCGTGACCTG TGATGACTAC TACTATGGCT TTGGCTGYAA TAAGTTCTGC
601 CGCCCCAGAG ATGACTTCTT TGGACACTAT GCCTGTGACC AGAATGGCAA
651 CAAAACCTTC ATGGAAGGCT GGATGGGCCC CGAATGTAAC AGAGCTATTT
701 GCCGACAAAG CTGCAGTCCT AAGCATGGGT CTTGCAAACCT CCCAGGTGAC
751 TGCAGGTGCC AGTAYGGCTG GCAAGGCCTG TACTGTGATA AGTGCATCCC
801 ACACCCGGGA TGCCTCCACG GCATCTGTAA TGAGCCCTGG CAGTGCCTCT
851 GTGAGACCAA CTGGGGCGGC CAGCTCTGTG ACAAAGATCT CAATTACTGT
901 GGGACTCATC AGCCGTGTCT CAACGGGGGA ACTTGTAGCA ACACAGGCCC
951 TGACAAATAT CAGTGTTCCT GCCCTGAGGG GTATTCAGGA CCCAACTGTG
1001 AAATTGCTGA GCACGCCTGC CTCTCTGATC CCTGTCACAA CAGAGGCAGC
1051 TGTAAGGAGA CCTCCCTGGG CTTTGAGTGT GAGTGTTCCC CAGGCTGGAC
1101 CGGCCCCACA TGCTCTACAA ACATTGATGA CTGTTCTCCT AATAACTGTT
1151 CCCACGGGGG CACCTGCCAG GACCTGGTTA ACGGATTTAA GTGTGTGTGC
1201 CCCCCACAGT GGA CTGGGAA AACGTGCCAG TTAGATGCAA ATGAATGTGA
1251 GGCCAAACCT TGTGTAAACG CCAAATCCTG TAAGAATCTC ATTGCCAGCT
1301 ACTACTGCGA CTGTCTTCCC GGCTGGATGG GTCAGAATTG TGACATAAAT
1351 ATTAATGACT GCCTTGGCCA GTGTCAGAA TACGCCTCCT GTCGGGATTT
1401 GGTAAATGGT TATCGCTGTA TCTGTCCACC TGGCTATGCA GGCGATCACT
1451 GTGAGAGAGA CATCGATGAA TGTGCCAGCA ACCCTGTGTT GAATGGGGGT

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FIG. 13B

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1501 CACTGTCAGA ATGAAATCAA CAGATTCCAG TGTCTGTGTC CCACTGGTTT
1551 CTCTGGAAAC CTCTGTCAGC TGGACATCGA TTATTGTGAG CCTAATCCCT
1601 GCCAGAACGG TGCCCAGTGC TACAACCGTG CCAGTGACTA TTTCTGCAAG
1651 TGCCCCGAGG ACTATGAGGG CAAGAACTGC TCACACCTGA AAGACCACTG
1701 CCGCACGACC CCCTGTGAAG TGATTGACAG CTGCACAGTG GCCATGGCTT
1751 CCAACGACAC ACCTGAAGGG GTGCGGTATA TTTCTCCAA CGTCTGTGGT
1801 CCTCACGGGA AGTGCAAGAG TCAGTCGGGA GGCAAATTCA CCTGTGACTG
1851 TAACAAAGGC TTCACGGGAA CATACTGCCA TGAAAATATT AATGACTGTG
1901 AGAGCAACCC TTGTAGAAAC GGTGCACTT GCATCGATGG TGTCAACTCC
1951 TACAAGTGCA TCTGTAGTGA CGGCTGGGAG GGGGCCCTACT GTGAAACCAA
2001 TATTAATGAC TGCAGCCAGA ACCCTGCCA CAATGGGGGC ACGTGTGCGG
2051 ACCTGGTCAA TGACTTCTAC TGTGACTGTA AAAATGGGTG GAAAGGAAAG
2101 ACCTGCCACT CACGTGACAG TCAGTGTGAT GAGGCCACGT GCAACAACGG
2151 TGGCACCTGC TATGATGAGG GGGATGCTTT TAAGTGCATG TGTCTGGCG
2201 GCTGGGAAGG AACAACCTGT AACATAGCCC GAAACAGTAG CTGCCTGCCC
2251 AACCCCTGCC ATAATGGGGG CACATGTGTG GTCAACGGCG AGTCCTTTAC
2301 GTGCGTCTGC AAGGAAGGCT GGGAGGGGCC CATCTGTGCT CAGAATACCA
2351 ATGACTGCAG CCCTCATCCC TGTTACAACA GCGGCACCTG TGTGGATGGA
2401 GACAACTGGT ACCGGTGCGA ATGTGCCCCG GGTTTTGCTG GGCCCCACTG
2451 CAGAATAAAC ATCAATGAAT GCCAGTCTTC ACCTTGTGCC TTTGGAGCGA
2501 CCTGTGTGGA TGAGATCAAT GGTACCGGT GTGTCTGCCC TCCAGGGCAC
2551 AGTGGTGCCA AGTGCCAGGA AGTTTCAGGG AGACCTTGCA TCACCATGGG
2601 GAGTGTGATA CCAGATGGGG CCAAATGGGA TGATGACTGT AATACCTGCC
2651 AGTGCCTGAA TGGACGGATC GCCTGCTCAA AGGTCTGGTG TGGCCCTCGA
2701 CCTTGCCTGC TCCACAAAGG GCACAGCGAG TGCCCCAGCG GGCAGAGCTG
2751 CATCCCCATC CTGGACGACC AGTGCTTCGT CCACCCCTGC ACTGGTGTGG
2801 GCGAGTGTG GTCTTCCAGT CTCCAGCCGG TGAAGACAAA GTGCACCTCT
2851 GACTCCTATT ACCAGGATAA CTGTGCGAAC ATCACATTTA CCTTTAACA
2901 GGAGATGATG TCACCAGGTC TTACTIONGGA GCACATTTGC AGTGAATTGA
2951 GGAATTTGAA TATTTTGAAG AATGTTTCCG CTGAATATTC AATCTACATC
3001 GCTTGCGAGC CTTCCCCTTC AGCGAACAAT GAAATACATG TGGCCATTTT
3051 TGCTGAAGAT ATACGGGATG ATGGGAACCC GATCAAGGAA ATCACTGACA
3101 AAATAATCGA TCTTGTTAGT AAACGTGATG GAAACAGCTC GCTGATTGCT
3151 GCCGTTGCAG AAGTAAGAGT TCAGAGGCGG CCTCTGAAGA ACAGAACAGA
3201 T

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FIG. 13C